Ashutosh Apurva

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 github.com/Apurva14A

Summary

Software Engineer | 3+ years | Expert in Java, Python,Machine Learning, Terraform, Ansible, Kubernetes orchestration, CI/CD pipelines (GitHub Actions, Jenkins), cloud infrastructure (AWS, EC2), and monitoring (Prometheus, Grafana), Strong in Linux, Bash, Git, and code quality tools (SonarQube, Jfrog).

Education

Bachelor of Science Jharkhand Raksha Shakti University, Computer Science   July 2017 – Aug 2020
- CGPA: 8.2/10.0

Experience

Tata Consultancy Services, Software Engineer

Kolkata metropolitan area, West Bengal, India
Aug 2021 – present
3 years 2 months

- Developed and maintained scalable backend services using Java and Python for data-intensive applications, supporting over 1 million users.
- Designed and deployed machine learning models to production using Python-based libraries (Scikit-learn, TensorFlow).
- Streamlined CI/CD processes with Jenkins and GitHub Actions, reducing deployment times by 40%.
- Implemented and managed Kubernetes clusters for microservices, ensuring high availability and fault tolerance.
- Automated cloud infrastructure provisioning using Terraform, optimizing deployment across AWS and Azure environments.
- Integrated monitoring and alerting solutions (Prometheus, Grafana) to ensure real-time system observability and reduced downtime by 30%.

Projects

Personal Portfolio

github.com/Apurva14A/myPortfolio ↗

- Developed a portfolio website to store and record my resume, projects and blogs to showcase it to employers.
- Tools Used: Python, Django, HTML,CSS,Docker,GitHub Pages,GitHub Actions

Password Generator app

github.com/Apurva14A/password_generator app ↗

- Developed a python web application for generating random password to be used for authentication process.
- Tools Used: Python, Django, HTML, CSS, GitHub Action

Technologies

Languages: Python, Java

Technologies: Machine Learning, NumPy, Terraform, Ansible, Docker, Kubernetes, Helm, GitHub Actions, Jenkins, Prometheus, Grafana, Loki, AWS,EC2,S3,RDS, Linux, Bash, Git,SonarQube, Jfrog Artifactory